Resource Guide

2012 Volume 1

ATTO

ATTO Technology, Inc.

Corporate Overview and Product Portfolio

For almost 25 years, ATTO Technology has embraced a simple product mission: consistently meet the industry demands for better storage connectivity and infrastructure solutions through leading-edge technology. Our products are based on centralized core architectures of hardware and software, ensuring that technology and features fit seamlessly throughout our product lines. ATTO is the underlying component that drives all leading storage suppliers including EMC®, NetApp®, HP® and IBM® enterprise-class storage. We solve the most intensive storage connectivity problems in media, entertainment and data center industries.

Storage connectivity's ongoing advancements require increasing performance levels and solution options. ATTO products are engineered to optimally perform in the most demanding computer environments. Whether you're an OEM, Value Added Reseller or System Integrator looking for a tailored product, a large organization or single-user with high-capacity or specific storage connectivity needs, ATTO has a solution that will work seamlessly to store, manage and deliver your data.

ATTO is internationally recognized as an innovator in the ever-changing computer world, and we continue to be on the forefront of technologies that retain the qualities of the ATTO brand: user friendly, high performance and customer focused. With membership in organizations including the SCSI Trade Association and Fibre Channel Industry Association, ATTO strives to not only provide the highest quality connectivity solutions, but to also provide leadership in industry innovation and commentary.

Headquartered in Amherst, New York, ATTO Technology designs, tests and assembles its products under one roof. This gives a variety of specialized development teams access to one another, ensuring that each product ATTO provides is of the highest quality for both original equipment manufacturers and end users alike.

ATTO products are sold into over 60 countries worldwide to best serve our customers. Our international presence makes us the leader in high-performance storage connectivity. ATTO is involved in national and international trade shows as a host and is also displayed in a variety of industry-leading storage solution demonstrations.

Made in USA

"ATTO is dedicated to designing products for the most demanding, real-time content creation environments. Our focus is on understanding our customers' workflows and addressing their needs with high-performance, smooth, easy to use storage solutions."

-Timothy J. Klein, President and CEO, ATTO Technology, Inc.

Host Bus & RAID Adapters

Celerity 16Gb/s and 8Gb/s Fibre Channel HBAs and ExpressSAS 6Gb/s SAS/SATA HBAs and RAID Adapters provide faster and more efficient data transfers

Converged Network Adapters & Network Interface Cards

FastFrame™ 10Gb CNAs and NICs provide flexible and scalable unified LAN and SAN storage connectivity

RAID Storage Controllers

FastStream™ Storage Controllers are engineered for real-time applications which require managed latency for high-performance workflows

Desklink™ Devices

ThunderLink™ and ThunderStream™ Desklink™ Devices enable high-performance, low latency capabilities to all-in-one systems, laptops and integrated computers for storage and network connectivity

Bridges

ATTO FibreBridge Fibre Channel bridges enable Direct Attached SAS/SATA storage into Fibre Channel SANs

Switches

FibreConnect™ 8Gb/s Fibre Channel switches provide high-performance, scalable connectivity with enterprise-level features for small to mid-range SANs

Software

ATTO software and downloadable tools help to maximize the productivity of a number of ATTO products

Cables and Accessories

ATTO high quality cables maximize product performance and data integrity

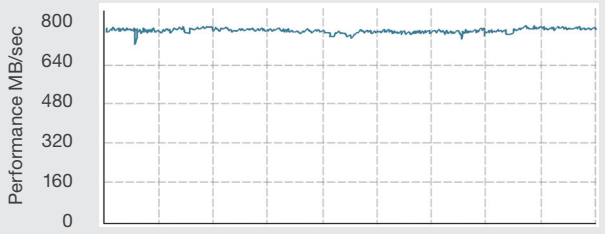
Proprietary Technologies

ATTO Product Differentiators

Advanced Data Streaming (ADS™) Technology

All ATTO products include Advanced Data Streaming (ADS™), a proprietary technology that manages latency by providing controlled acceleration for smooth data streaming to maintain consistent high performance.

ATTO Products with ADS™ Technology



Data transfer performance is smooth and reliable

Competitors Product

Disrupted transfer with peaks and drops

Transfer rate dips below optimal performance levels

*i*ntelligent Bridging Architecture™

ATTO's *i*ntelligent Bridging Architecture™ technology combines powerful hardware with an efficient software data engine to deliver the flexibility of "anything-to-anything" connectivity. ATTO bridges are engineered to effectively transfer data with minimal overhead from multiple combinations of protocols, custom applications, and specification requirements to match customer configurations and create a seamless integration process.

MultiPath Director™

MulitPath Director™ is a proprietary driver available on ATTO's Fibre Channel host bus adapters that enables Mac®, Windows®, and Linux workstations and servers to connect directly to enterprise storage. MultiPath Director, when paired with enterprise-class storage systems, provides a completely redundant, high-availability, high-performance storage solution for workstation and server applications.

"Our qualification of ATTO's Celerity Fibre Channel HBAs and MultiPath Director™ allows us to deliver a SAN connectivity solution to customers that keeps storage media and digital content available in real time for multiple users."

– Deirdre Wassell, Director, EMC E-Lab Marketing

Config Tool™

MultiPath Director™

Smooth Data Optimization™

Benchmark Tool™

ExpressNAV™ Storage Manager

Advanced Data Streaming (ADS™)

*i*ntelligent Bridging Architecture™

Drive Map Director™

DriveAssure™ Technology

Virtual Device Manager

SpeedWrite™

Signal Integrity

DVRAID™

QuickNAV™

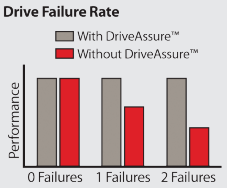
CacheAssure™ Technology

Virtual Drive Response (VDR)

DriveAssure™ Technology

DriveAssure™ provides bounded latency through proprietary algorithms and user controls to prevent premature drive failures and slow downs in an effort to maximize system uptime. This technology is standard on all ATTO RAID adapters and storage controllers.

- Guaranteed latency response from RAID groups
- Media scrubbing during drive initialization
- Manual and scheduled media scans with parity verification
- On-the-fly media error handling
- Rebuilds continue when an error occurs
- Data recovery mode



SpeedWrite™

Standard on ATTO Bridges, SpeedWrite efficiently queues outstanding write commands to enhance the throughput of the bridge.

CacheAssure™ Technology

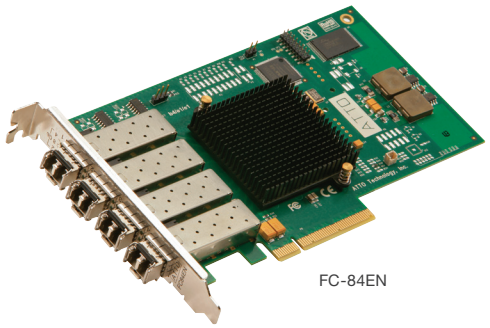
CacheAssure™ uses supercap technology instead of batteries to protect cached data. Save time and money by eliminating the need to install, monitor, maintain, dispose, and replace batteries.

16Gb & 8Gb Fibre Channel HBAs

Celerity Host Bus Adapters

From broadcast facilities to virtual environments, Celerity Fibre Channel HBAs are used worldwide in a range of applications. This highly integrated family of adapters is designed to optimize data transfer using a combination of features that enhance the data delivery process and is fully scalable. ATTOs latest innovation in Fibre Channel is the Celerity line of 16Gb HBAs*. Built with a PCIe 3.0 computer interface (backward compatible with PCIe 2.0 and PCIe), they are compatible and work seamlessly with all Fibre Channel 4, 8 or 16Gb devices.

- Upgrading to the latest Celerity HBA technology can double performance while preserving existing storage infrastructure investment
- Optimized for extremely low latency and high-bandwidth transfers for both data-intensive and high-transaction rate applications
- Enterprise storage ready - compatible with EMC®, HP®, IBM® and NetApp® storage
- MultiPath Director™, available with Celerity HBAs, is the industry's only solution to allow workstations and servers access to high-availability, high-performance, enterprise-class storage for shared workflows
- Complete SAN connectivity solution when combined with ATTO FibreConnect™ 8Gb/s Fibre Channel Switch
- Low power consumption reduces overall electric and cooling costs
- EMC® E-Lab Certified



FC-84EN

Supports:

- Windows®, Linux, Mac®, VMware®, Hyper-V®
- Arbitrated loop, point-to-point and direct fabric/switch attach
- Certified with industry leading platforms and applications

Includes:

- Advanced Data Streaming (ADS™) Technology
- Pluggable optical SFP+
- ATTO Config Tool for customized performance settings

Complementary Products:

- ATTO FibreConnect™ Fibre Channel switches
- ATTO Express Power Center RAID software
- ATTO premium cables

*Call for availability

"We have standardized with ATTO so when we moved from 4Gb to 8Gb, the decision was easy. Our artists, directors and producers don't have to think about our systems not working... The higher bandwidth enables us to work with dual streams for stereoscopic playback and editing."

-Terry Dale, VP Operations, Arc Productions, Ltd.

ATTO Celerity Host Bus Adapters

Product Features	164E*	162E*	161E*
Part Number	CTFC-164E-000	CTFC-162E-000	CTFC-161E-000
Fibre Channel Ports	4	2	1
Max. Data Rate	16Gb/s	16Gb/s	16Gb/s
Max. Transfer Rate	6400MB/s	3200MB/s	1600MB/s
Bus Type	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8
Auto Negotiation	16Gb, 8Gb, 4Gb	16Gb, 8Gb, 4Gb	16Gb, 8Gb, 4Gb
Optical Interface	SFP+LC	SFP+LC	SFP+LC
Max. Cable Length (OM3)	150m - 8Gb 100m - 16Gb	150m - 8Gb 100m - 16Gb	150m - 8Gb 100m - 16Gb
Low-Profile Form Factor	—	Yes	Yes
Developer's Kit** (Target Mode API)	Yes	Yes	Yes
Warranty	3 year	3 year	3 year

Product Features	84EN	82EN	81EN
Part Number	CTFC-84EN-000	CTFC-82EN-000	CTFC-81EN-000
Fibre Channel Ports	4	2	1
Max. Data Rate	8Gb/s	8Gb/s	8Gb/s
Max. Transfer Rate	3200MB/s	1600MB/s	800MB/s
Bus Type	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8
Auto Negotiation	8Gb, 4Gb, 2Gb	8Gb, 4Gb, 2Gb	8Gb, 4Gb, 2Gb
Optical Interface	SFP+LC	SFP+LC	SFP+LC
Max. Cable Length (OM3)	500m - 2Gb 380m - 4Gb 150m - 8Gb	500m - 2Gb 380m - 4Gb 150m - 8Gb	500m - 2Gb 380m - 4Gb 150m - 8Gb
Low-Profile Form Factor	—	Yes	Yes
Developer's Kit** (Target Mode API)	Yes	Yes	Yes
Warranty	3 year	3 year	3 year

*Call for availability

**Available for qualified OEM sales only. Please contact your ATTO representative.

Compatible Fibre Channel Switch Available - See Page 22.

Compatible Software Available - See Page 24.

Compatible Cables & Accessories Available - See Page 26.

6Gb SAS/SATA HBAs

ExpressSAS Host Bus Adapters

ExpressSAS Host Bus Adapters leverage the performance and scalability enhancements of Serial Attached SCSI (SAS) technology to deliver the fastest available connection to SAS/SATA storage. They offer a reliable Direct Attached Storage connectivity solution that is interoperable with a wide range of internal and external disk and tape products. The newest card in the ExpressSAS family is the H6F0 GT. It features 16 external SAS/SATA ports and the latest PCI Express 3.0 bus technology in a low profile form factor, and offers the latest miniSAS HD connectors for improved cable management and monitoring.

- Optimized for extremely low latency and high-bandwidth transfers for both data-intensive and high-transaction rate applications
- Compatibility with all major SAS, SATA, SSD, disk and tape drives
- Uses 40% less power than competitive HBAs, reducing overall electric and cooling costs

Supports:

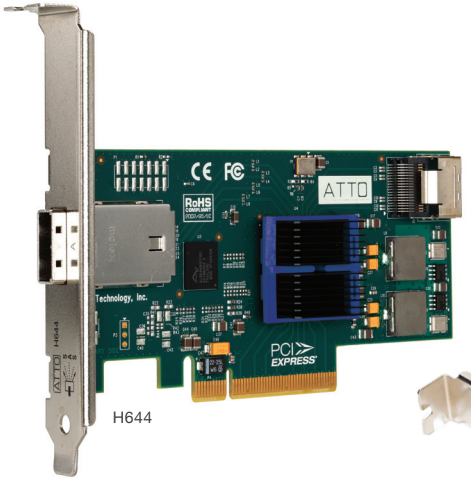
- Windows®, Linux, Mac® and VMware®
- SAS 2.1, 2.0, SAS, SATA II, SATA
- Certified with industry leading platforms and applications

Includes:

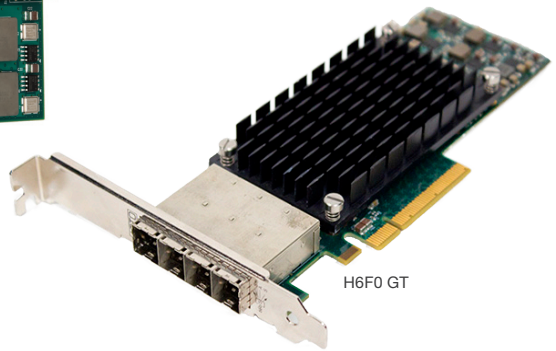
- Advanced Data Streaming (ADS™) Technology
- ATTO Config Tool for customized performance settings

Complementary Products:

- ATTO Express Power Center RAID software
- ATTO premium cables



H644



H6F0 GT

"Now we are able to edit as many cameras as we need in 3D, in real-time -- which is a tremendous time and cost savings ... this new workflow is amazing and continues to open up doors to new opportunities."

-George Bellias, Jade Productions

ATTO ExpressSAS Host Bus Adapters

Product Features	H6F0 GT	H6F0	H60F
Part Number	ESAS-H6F0-GT0	ESAS-H6F0-000	ESAS-H60F-000
SAS/SATA Ports	16	16	16
Port Config. (Ext/Int)	16/0	16/0	0/16
Max. Data Rate	6Gb/s	6Gb/s	6Gb/s
Max. Transfer Rate	9600MB/s	9600MB/s	9600MB/s
Bus Type	PCIe 3.0 x8	PCIe 2.0 x8	PCIe 2.0 x8
Auto Negotiation	SAS 2.1, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA
Connector Type	4 Mini SAS HD (x4) SFF 8644 External	4 Mini SAS (x4) SFF 8088 External	4 Mini SAS (x4) SFF 8087 Internal
Max. Cable Length SAS/SATA	10m/1m	10m/1m	10m/1m
Low-Profile Form Factor	Yes	—	Yes
Developer's Kit* (Target Mode)	Yes	Yes	Yes
End Devices Supported	2048	512	512
Warranty	3 year	3 year	3 year
Product Features	**H680**	**H608**	**H644**
Part Number	ESAS-H680-000	ESAS-H608-000	ESAS-H644-000
SAS/SATA Ports	8	8	8
Port Config. (Ext/Int)	8/0	0/8	4/4
Max. Data Rate	6Gb/s	6Gb/s	6Gb/s
Max. Transfer Rate	4800MB/s	4800MB/s	4800MB/s
Bus Type	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8
Auto Negotiation	SAS 2.0, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA
Connector Type	2 Mini SAS (x4) SFF 8088 External	2 Mini SAS (x4) SFF 8087 Internal	1 Mini SAS (x4) SFF 8088 External 1 Mini SAS (x4) SFF 8087 Internal
Max. Cable Length SAS/SATA	10m/1m	10m/1m	10m/1m
Low-Profile Form Factor	Yes	Yes	Yes
Developer's Kit* (Target Mode)	Yes	Yes	Yes
End Devices Supported	256	256	256
Warranty	3 year	3 year	3 year

*Available for qualified OEM sales only. Please contact your ATTO representative.

Compatible Software Available - See Page 24.
Compatible Cables Available - See Page 26.

6Gb SAS/SATA RAID Adapters

ExpressSAS RAID Adapters

ATTO's ExpressSAS 6Gb/s SAS/SATA RAID Adapters provide high performance data protection to direct attached SAS and SATA JBOD storage. With a wide variety of port configurations and RAID levels, these adapters offer flexibility for every range of application. For over 20 years, ATTO's time-tested RAID stack has provided confidence with high-performance data integrity.

- Upgrading to 6Gb/s will double performance while preserving existing 3Gb/s storage infrastructure investment
- Optimized for extremely low latency and high-bandwidth transfers for both data-intensive and high-transaction rate applications
- Tunable rebuilds allow full application performance for continuous access to storage during degraded or rebuild modes
- Uses 40% less power than competitive adapters, reducing overall electric and cooling costs

Supports:

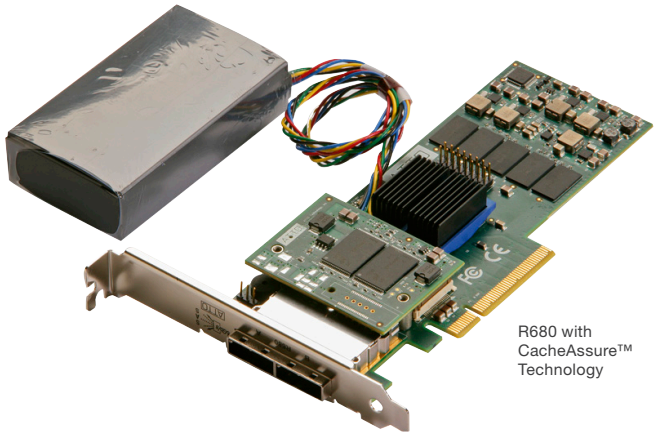
- Windows®, Linux, Mac®
- RAID levels 0, 1, 4, 5, 6, 10, 40*, 50*, 60*, JBOD and DVRAID™ (*requires Express Power Center™ RAID software)
- Certified with industry leading platforms and applications

Includes:

- Advanced Data Streaming (ADS™) Technology
- DriveAssure™ Technology
- CacheAssure™ Technology (Optional)
- ATTO Config Tool for customized performance settings

Complementary Products:

- CacheAssure™ Technology
- ATTO Express Power Center RAID software
- ATTO premium cables



R680 with CacheAssure™ Technology

"...Very smooth and easy to set up ... we got the highest speed possible for both uncompressed and compressed HD editing."

-Walter Biscardi, Biscardi Creative Media Services

ATTO ExpressSAS RAID Adapters

Product Features	R60F	R680	R608	R644
Part Number	ESAS-R60F-000	ESAS-R680-000	ESAS-R608-000	ESAS-R644-000
Part Number w/ CacheAssure™	ESAS-R60F-C00	ESAS-R680-C00	ESAS-R608-C00	ESAS-R644-C00
SAS/SATA Ports	16	8	8	8
Port Config. (Ext/Int)	0/16	8/0	0/8	4/4
Max. Data Rate	6Gb/s	6Gb/s	6Gb/s	6Gb/s
Max. Transfer Rate	9600MB/s	4800MB/s	4800MB/s	4800MB/s
Bus Type	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8
Auto Negotiation	SAS 2.0, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA	SAS 2.0, SAS, SATA II, SATA
Connector Type	4 mini SAS (x4) SFF 8087 Internal	2 mini SAS (x4) SFF 8088 External	2 mini SAS (x4) SFF 8087 Internal	1 mini SAS (x4) SFF 8088 External 1 mini SAS (x4) SFF 8087 Internal
Max. Cable Length SAS/SATA	10m/1m	10m/1m	10m/1m	10m/1m
Low-Profile Form Factor	Yes	Yes	Yes	Yes
End Devices Supported	128	128	128	128
Memory (ECC)	512MB	512MB	512MB	512MB
Warranty	3 year	3 year	3 year	3 year

Compatible Software Available - See Page 24.
Compatible Cables Available - See Page 26.

Note: CacheAssure™ is available as a field upgradable unit for existing 6Gb RAID users. Contact your ATTO representative.

10Gb Ethernet Optical and 10GBASE-T NICs

FastFrame™ Network Interface Cards

Built on industry-leading Intel® silicon for universal usability, ATTO FastFrame NICs lead in high performance I/O connectivity for Mac OS X environments while offering broad support for Windows and Linux server and workstation operating systems. They provide reliable, inexpensive, fast network access to block storage via iSCSI, with lossless Ethernet (CEE) and Data Center Bridging (DCB) for improved iSCSI quality of service. ATTO FastFrame NICs comprise a full range of products for flexible design—single, dual, and quad-port configurations, as well as support for Direct Attach Copper.

New to the FastFrame family, ATTO FastFrame 10GBASE-T NICs operate with existing structured shielded or unshielded twisted pair copper cabling familiar to network professionals. Strong reseller & OEM programs plus exceptional support provided by ATTO make the FastFrame line of NICs the choice for system builders seeking a lasting footprint in storage-intensive and data center markets.

- Extensively tested and optimized by ATTO for high-performance in Media & Entertainment applications, as well as applications with similar profiles such as medical imaging, and oil & gas
- 10GbE cards, ports & cabling are backwards compatible to Gig-E for staged upgrades or future-proofing—and you can run 10GBASE-T NICs with Cat6a cabling that's already in place
- 30% lower power rating means lower energy costs, lower data center maintenance fees, and less heat to dissipate

Supports:

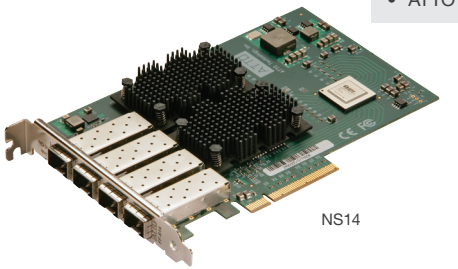
- Windows®, Linux, Mac OS® X and VMware®
- Data Center Bridging Ethernet
- iSCSI initiators
- Certified with industry leading platforms and applications

Includes:

- Advanced Data Streaming (ADS™) Technology

Complementary Products:

- ATTO premium cables
- ATTO Xtend SAN iSCSI Initiator



NS14

"We were astounded at the data transmission rate we have been able to achieve by incorporating the ATTO FastFrame Products in our solution. "

-Bob Zelin, Chief Video Engineer, Maxx Digital

ATTO FastFrame SFP+ Network Interface Cards (NICs)

Product Features	NS14	NS12	NS11
Part Number	FFRM-NS14-000	FFRM-NS12-000	FFRM-NS11-000
10GbE Ports	4	2	1
Max. Data Rate	10Gb/s	10Gb/s	10Gb/s
Max. Transfer Rate	5.0GB/s	2.5GB/s	1.25GB/s
Bus Type	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8
Connector Type	LC Fibre Optic	LC Fibre Optic	LC Fibre Optic
Form Factor	Full Height	Full Height, Low Profile	Full Height, Low Profile
Warranty	3 year	3 year	3 year

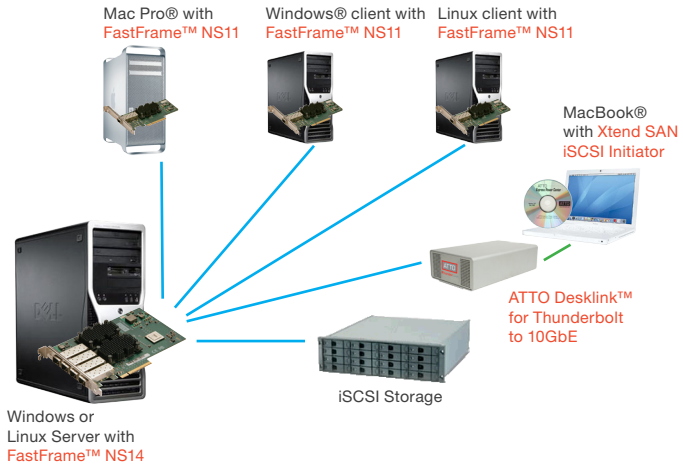
ATTO FastFrame 10GBASE-T Network Interface Cards (NICs)

Product Features	NT12	NT11
Part Number	FFRM-NT12-000	FFRM-NT11-000
10GbE Ports	2	1
Max. Data Rate	10Gb/s	10Gb/s
Max. Transfer Rate	2.5GB/s	1.25GB/s
Bus Type	PCIe 2.0 x8	PCIe 2.0 x8
Connector Type	RJ45	RJ45
Form Factor	Full Height, Low Profile	Full Height, Low Profile
Warranty	3 year	3 year

Compatible Software Available - See Page 24.
Compatible Cables Available - See Page 26.

Use Case

Simple iSCSI SAN


Mac Pro® with FastFrame™ NS11
Windows® client with FastFrame™ NS11
Linux client with FastFrame™ NS11
MacBook® with Xtend SAN iSCSI Initiator
ATTO Desklink™ for Thunderbolt to 10GbE
iSCSI Storage
Windows or Linux Server with FastFrame™ NS14

10Gb Ethernet CNAs

FastFrame™ Converged Network Adapters

FastFrame™ 10GbE Converged Network Adapters combine ATTO's Fibre Channel technology, proven in data-intensive, low-latency applications, with reliable Ethernet technology from Intel. Now, ATTO's FastFrame CNAs feature exclusive VN2VN support, which unlocks the value of converged networks by increasing flexibility while reducing infrastructure cost. Available in single-, dual-, and quad-port configurations, with drivers for Windows, Linux, and Mac, FastFrame CNAs are the clear choice for system builders focused on reducing cost, simplifying access to storage, or for transitioning to 10Gb Ethernet.

- Optimized for extremely low latency and high-bandwidth transfers for both data-intensive and high-transaction rate applications
- Future-proof for the next generation of servers with industry's first quad-port CNA
- 30% lower power rating means lower energy costs, lower data center maintenance fees, and less heat to dissipate

Supports:

- Windows®, Linux, Mac OS® X and VMware®*
- Simultaneous 10GbE, FCoE, iSCSI
- FCoE BBv6 support, including VN2VN & Target Mode*
- Simultaneous block-level & file-level I/O
- Data Center Bridging and Lossless Ethernet
- iSCSI initiators
- Certified with industry leading platforms & applications

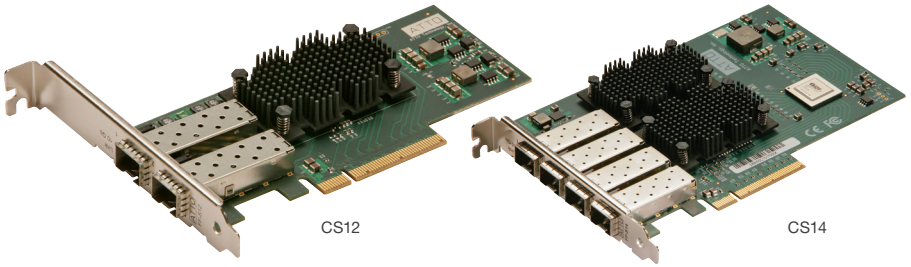
Includes:

- Advanced Data Streaming (ADS™) Technology
- ATTO Config Tool for customized performance settings

Complementary Products:

- ATTO premium cables
- ATTO Xtend SAN iSCSI Initiator

* Future support



CS12 CS14

"ATTO Celerity Fibre Channel and 10GbE HBAs have been used and tested extensively in all our enterprise products, both in the lab and at numerous customer sites worldwide."

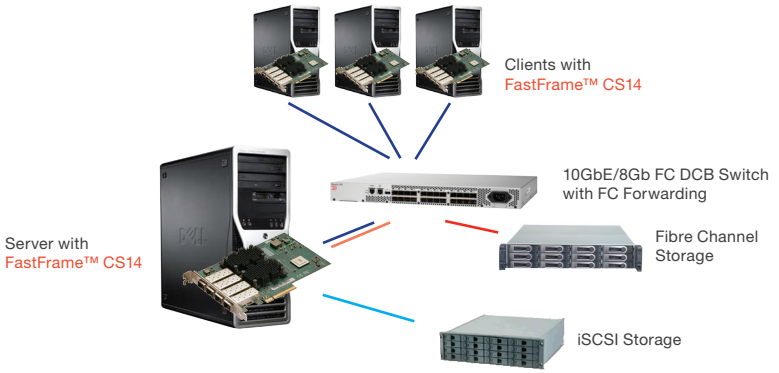
-Robb Cadzow, Application Engineer, Telestream

ATTO FastFrame Converged Network Adapters (CNAs)			
Product Features	CS14	CS12	CS11
Part Number	FFRM-CS14-000	FFRM-CS12-000	FFRM-CS11-000
10GbE Ports	4	2	1
Max. Data Rate	10Gb/s	10Gb/s	10Gb/s
Max. Transfer Rate	5.0GB/s	2.5GB/s	1.25GB/s
FCoE Support	Yes	Yes	Yes
Bus Type	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8
Connector Type	Optical LC SFP+	Optical LC SFP+	Optical LC SFP+
Form Factor	Full Height	Low Profile	Low Profile
Warranty	3 year	3 year	3 year

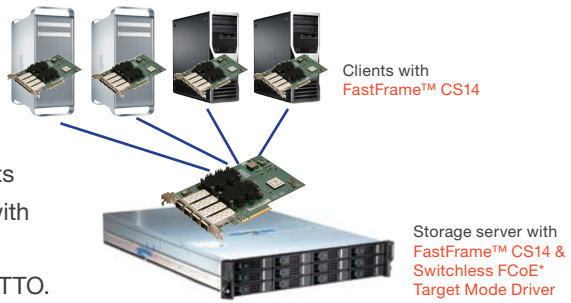
Compatible Software Available - See Page 24.
Compatible Cables Available - See Page 26.

Use Case

FastFrame CNA supports a range of solutions: 10Gb NAS, iSCSI, Switchless FCoE*, Switched FCoE

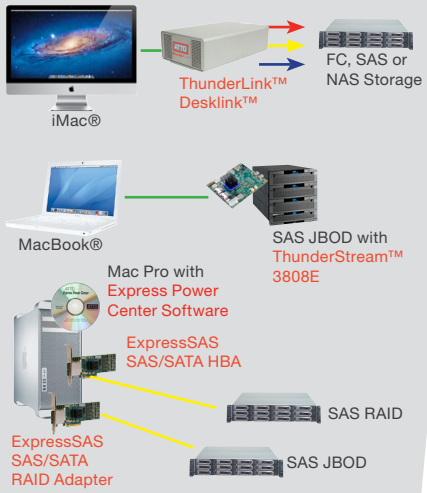

Clients with FastFrame™ CS14
10GbE/8Gb FC DCB Switch with FC Forwarding
Server with FastFrame™ CS14
Fibre Channel Storage
iSCSI Storage

Reduce storage infrastructure costs by 50% or more with switchless FCoE* exclusively from ATTO.



*Available for qualified OEMs. Please contact your ATTO Representative.

ATTO Solutions

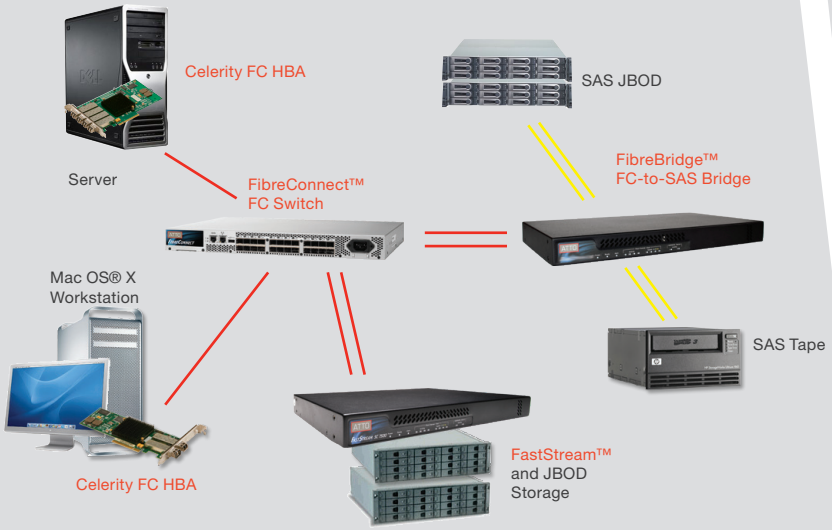


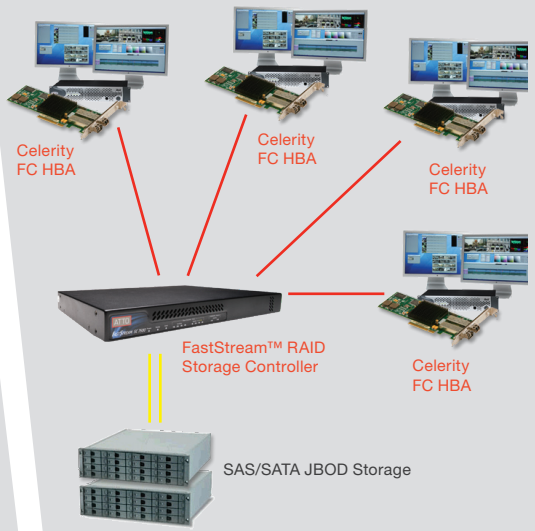
Direct Attached Storage

Achieve maximum performance from Thunderbolt-enabled and SAS/SATA storage providing fast access to critical data. Instantly add RAID to SAS or SATA JBOD storage to protect your data without compromising performance.

Fibre Channel SAN

ATTO products provide a reliable foundation for SAN connectivity and work seamlessly together to deliver maximum performance for bandwidth-intensive environments. ATTO components are interoperable with industry leading server, tape and disk storage, workstation, and video hardware and software vendors.



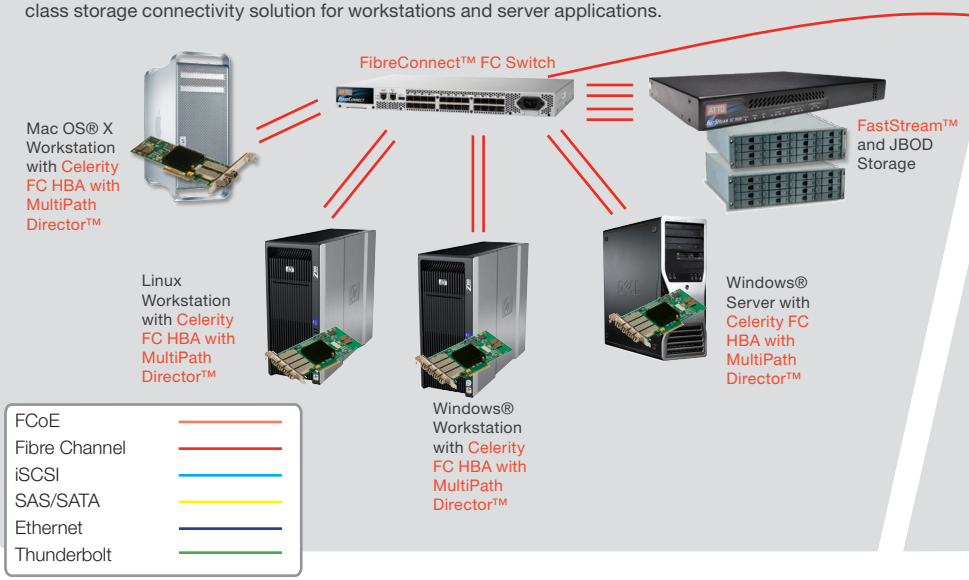


Small Workgroup - Shared Storage

ATTO's FastStream™ allows you to connect up to 4 workstations without the expense of a Fibre Channel switch to create a RAID- protected, high-performance collaborative workflow.

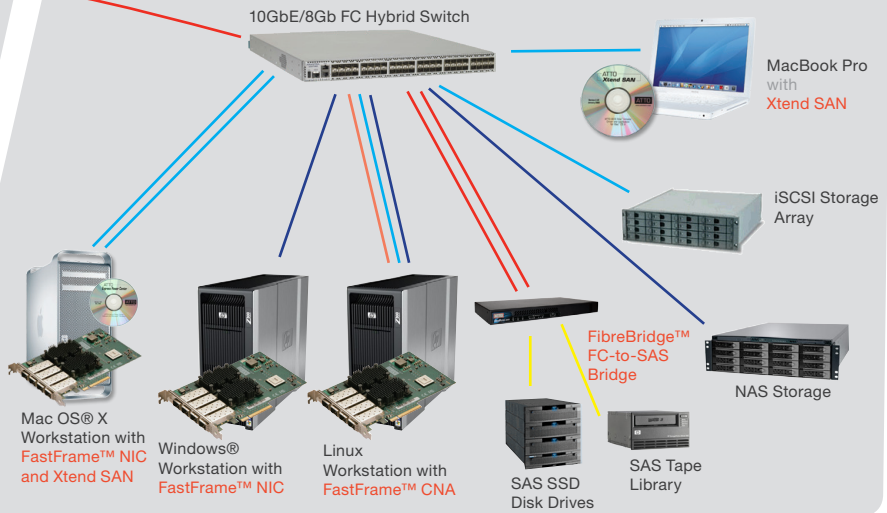
Enterprise Class Storage Connectivity

MultiPath Director™ is a proprietary driver for ATTO's Fibre Channel host bus adapters that provides a completely redundant, high-availability, high-performance enterprise class storage connectivity solution for workstations and server applications.


FibreConnect™ FC Switch
Mac OS® X Workstation with Celerity FC HBA with MultiPath Director™
FastStream™ and JBOD Storage
Linux Workstation with Celerity FC HBA with MultiPath Director™
Windows® Workstation with Celerity FC HBA with MultiPath Director™
Windows® Server with Celerity FC HBA with MultiPath Director™
FCoE
Fibre Channel
iSCSI
SAS/SATA
Ethernet
Thunderbolt

Networked Storage Solutions

Connect to local or remote storage over standard Ethernet networks or over the Internet for backup, disaster recovery and remote replication to disk or tape devices


10GbE/8Gb FC Hybrid Switch
MacBook Pro with Xtend SAN
iSCSI Storage Array
FibreBridge™ FC-to-SAS Bridge
NAS Storage
Mac OS® X Workstation with FastFrame™ NIC and Xtend SAN
Windows® Workstation with FastFrame™ NIC
Linux Workstation with FastFrame™ CNA
SAS SSD Disk Drives
SAS Tape Library

Fibre Channel RAID Storage Controllers

FastStream™ SC Products

ATTO FastStream™ Storage Controllers are designed to sit between workstations and low-cost JBOD disk storage, providing users the ability to scale their performance and storage capacity without purchasing a RAID controller every time expansion is needed. Available in rackmount and embedded form factors, the FastStream is well-suited for shared applications in IT and digital media infrastructures including digital film production, post-production, imaging, digital prepress, disk-to-disk backup, audio production and transaction-based environments.

- Optimized for extremely low latency and high-bandwidth transfers for data-intensive applications
- Enable a collaborative workflow – share SAS/SATA JBOD storage with up to four workstations without the need for a Fibre Channel switch
- Easy to setup, manage and maintain without the need for an IT specialist
- Edit up to 30 streams of high definition video
- Additional JBODs may be added as storage needs grow - an alternative to purchasing multiple RAID storage arrays
- Tunable rebuilds allow full application performance for continuous access to storage during degraded or rebuild modes
- Receive event notifications via email for easy monitoring and management

Supports:

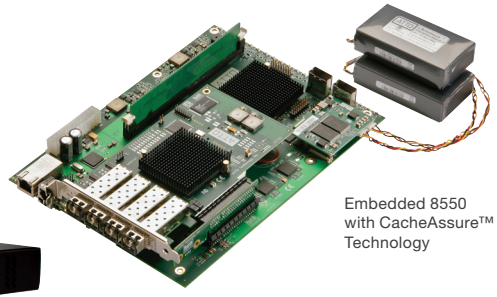
- RAID levels 0, 1, 4, 5, 6, 10, 40*, 50*, 60*, JBOD, DVRAID™, N-way mirroring (*requires Express Power Center™ RAID software)
- Certified with industry leading platforms and applications

Includes:

- Advanced Data Streaming (ADS™) Technology
- ExpressNAV™ storage manager simplifies management, monitoring and diagnostics
- MultiPath Director™ Support
- DriveAssure™ Technology
- CacheAssure™ Technology (Optional)
- Data Recovery Mode
- Dual Flash ROM
- CLI, Telnet, SNMP and FTP via Gig-E or RS-232

Complementary Products:

- ATTO Express Power Center RAID software
- ATTO Celerity Fibre Channel HBAs
- ATTO premium cables



Embedded 8550 with CacheAssure™ Technology

8550 Desktop

"The ATTO FastStream RAID Controller's simple plug-and-play usability has made it an integral part of our video post production services. ATTO has made an easy to use product that makes data streaming effortless."

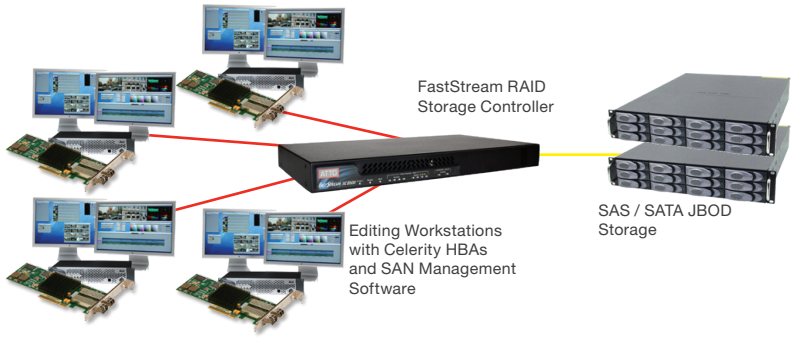
-Stuart Clark, Technical Engineer, Roundabout Entertainment

ATTO FastStream™ SC RAID Controllers		
Product Features	8550	5550
Part Number	FSSC-8550-D00	FSSC-5550-D00
Part Number w/CacheAssure™	FSSC-8550-DC0	FSSC-5550-DC0
Max. Sustained Transfer Rate	1500MB/s	750MB/s
Input Connectors	4 8Gb FC	2 4Gb FC
Output Connectors	8 3Gb SAS/SATA	8 3Gb SAS/SATA
Devices Supported	128	64
10-Bit HD Streams Supported	6	3
ECC Cache Memory	1024MB	1024MB
Form Factor - Desktop/Rackmount	1U	1U
OEM Embedded Option	MicroATX	MicroATX
Dimensions - MicroATX	178mm x 244mm	178mm x 244mm
Warranty	2 year	2 year

Compatible Cables & Accessories Available - See Page 26.

Use Case

Cost-effective, extremely efficient small workgroup SAN


FastStream RAID Storage Controller
SAS / SATA JBOD Storage
Editing Workstations with Celerity HBAs and SAN Management Software

By combining FastStream and SAN management software with low cost JBOD storage, video/audio production studios can create a shared collaborative workgroup environment that enables the rapid development and completion of projects within budget and time constraints.

Thunderbolt™ Desklink™ Devices

ThunderLink™ & ThunderStream™ Desklink™ Devices

ATTO ThunderLink™ and ThunderStream™ Desklink™ devices enable storage and network connectivity for SAS, SATA, Fibre Channel or Ethernet devices for Thunderbolt enabled hosts. ATTO ThunderLink and ThunderStream products are focused on prosumer and professional audio and video markets where performance and latency management are key. With Thunderbolt connectivity creative professionals now have access to storage and networks at speeds not previously available with firewire or USB. ATTO's exclusive Advanced Data Streaming (ADS™) technology provides controlled acceleration of data to deliver the highest consistent performance and reliable data transfers for video editing, digital audio, video on demand, or database applications.

- Enables high-performance, low latency capabilities to all-in-one systems, laptops and integrated computers for storage and network connectivity
- Proven interoperable with leading storage hardware and software vendors
- Customizable onboard management user interface for configuration, monitoring and managment allows users to easily take control of their storage without hassle or complexity (embedded versions only)
- Low power consumption

ThunderLink Supports:

- Windows®*, Linux*, Mac®
- Certified with industry leading platforms and applications
- DisplayPort, Hot Plug, Daisy Chain

Includes:

- Advanced Data Streaming (ADS™) Technology
- ATTO Config Tool for customized performance settings

Complementary Products:

- ATTO premium cables

*When Thunderbolt-enabled systems become available

ThunderStream Supports:

- RAID Levels 0, 1, 5, 6, 10 (3808)
- Support for Windows® and Linux environments when Thunderbolt enabled systems are available
- DisplayPort, Hot Plug, Daisy Chain, Autonomous operation

Includes:

- Advanced Data Streaming (ADS™) Technology
- DriveAssure™ Technology
- ATTOView™ Storage Manager is an easy to use management and monitoring interface accessed in-band, no need for host software
- Automatic drive initialization and verification identifies drives with soft errors or performance issues

Complementary Products:

- ATTO premium cables

ThunderLink 3808E

"ATTO is well positioned to offer advanced building blocks for Thunderbolt technology-enabled storage. Mobile media creators and SMB customers will continue to have more storage solution choices as companies like ATTO continue to innovate."

-Jason Ziller, Director of Thunderbolt Marketing, Intel

ATTO ThunderLink™ Desklink™ Devices

Product Features	Fibre Channel	Fibre Channel	SAS/SATA HBA
Part Number	TLFC-1082-D00	TLFC-1081-D00	TLSH-1068-D00
Input Connectors	(2) 10Gb/s Thunderbolt™	(2) 10Gb/s Thunderbolt™	(2) 10Gb/s Thunderbolt™
Output Connectors	(2) 8Gb/s Fibre Channel	(1) 8Gb/s Fibre Channel	(8) 6Gb/s SAS/SATA
Max. Transfer Rate	800MB/s	800MB/s	800MB/s
Connector Type	(2) LC SFP+	(1) LC SFP+	(2) SFF-8088
Form Factor	Desktop	Desktop	Desktop
Warranty	3 year	3 year	3 year

Product Features	10GBASE-T NIC	SFP+ NIC
Part Number	TLNT-1102-D00	TLNS-1101-D00
Input Connectors	(2) 10Gb/s Thunderbolt™	(2) 10Gb/s Thunderbolt™
Output Connectors	(2) 10GbE	(1) 10GbE
Max. Transfer Rate	800MB/s	800MB/s
Connector Type	RJ45	(1) LC SFP+
Form Factor	Desktop	Desktop
Warranty	3 year	3 year

ATTO ThunderStream™ Desklink™ Devices - RAID

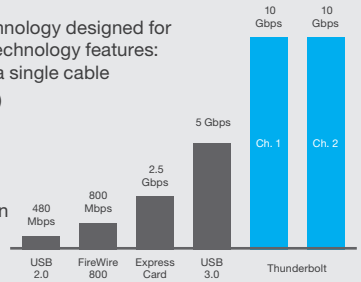
Product Features	3808D	3808E
Part Number	TSSC-3808-D00	TSSC-3808-E00
Input Connectors	(2) 10Gb Thunderbolt™	(2) 10Gb Thunderbolt™
Output Connectors	(8) 6Gb SAS/SATA RAID	(8) 6Gb SAS/SATA RAID
Max Tansfer Rate	850 Mb/s	850 Mb/s
Connector Type	2 mini SAS (x4) SFF 8088 External	(2 mini SAS (x4) SFF 8088 External
Devices supported	8 (Direct)	8 (Direct)
Expander/Port Multiplier support	Yes	Yes
10-Bit HD streams supported	5	5
Form Factor	Desktop	Embedded - 100 x 125mm

Compatible Cables & Accessories Available - See Page 26.

What is Thunderbolt™

Thunderbolt™ technology is a new, high-speed I/O technology designed for performance, simplicity, and flexibility. Thunderbolt™ technology features:

- Simultaneous bi-directional, 10 Gbps transfers over a single cable
- Dual-protocol support (PCI Express and DisplayPort)
- Compatible with existing DisplayPort devices
- Daisy-chaining devices
- Choice of electrical or optical cables
- Low latency with highly accurate time synchronization for professional audio and video applications
- Uses native protocol software drivers
- Power-over-cable for bus-powered devices



Fibre Channel-to-SAS Bridges

FibreBridge™ Fibre Channel Bridges

The ATTO FibreBridge™ allows you to integrate Direct Attached SAS/SATA disk or tape storage into a Fibre Channel SAN. This provides the benefit of increased availability and scalability while allowing the use of direct attached storage on a shared Fibre Channel network.

- Includes patent-pending Drive Map Director™ technology, which provides a logical, static topology and enables login parameters, access controls and security for racks of SAS/SATA storage
- Compatible with all storage devices including JBODs, hard disk drives, SSD, tape libraries, RAID arrays and RAID controllers
- Low power consumption reduces overall electric and cooling costs

Supports:

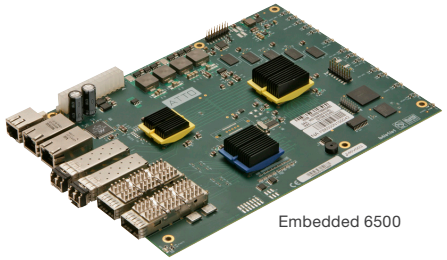
- Full-duplex Fibre Channel data transfers
- Error recovery
- Certified with industry leading platforms and applications

Includes:

- ExpressNAV™ web-based GUI simplifies management, monitoring and diagnostics
- intelligent Bridging Architecture™
- SpeedWrite™
- Virtual Drive Response (VDR)
- Drive Map Director™
- Pluggable optical SFP/SFP+ connectors included
- RS-232 serial connector for command line interface access
- Ethernet management port for remote monitoring and management

Complementary Products:

- ATTO Celerity Fibre Channel HBAs
- ATTO premium cables



Embedded 6500

6500 1U
Desktop/Rackmount

"ATTO bridges give us more than just basic connectivity... advanced troubleshooting and tuning features are invaluable in the field."

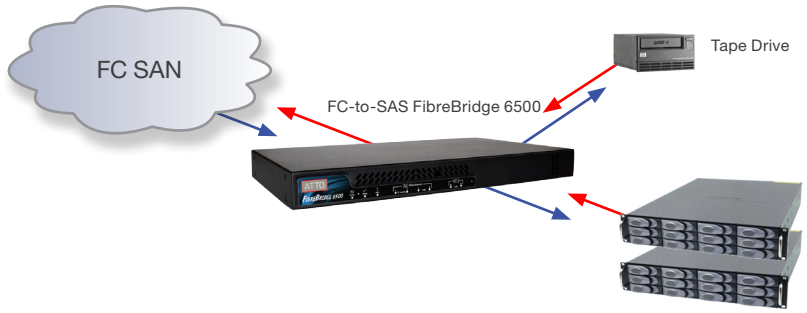
- Dave Griffith, Vice President, Operations & Business Development, Qualstar

ATTO FibreBridge™ Fibre Channel Bridges	
Product Features	6500
Embedded Part Number	FCBR-6500-E00
1U Desktop Part Number	FCBR-6500-D00
Max Sustained Transfer Rate	1200 MB/s
Input Connectors	(2) 8Gb Fibre Channel
Output Connectors	(2) 6Gb SAS/SATA Mini SAS (8 PHYs)
Devices supported	255
Active initiator Support	64
Event Log Protection	NVRAM
Expander/Port Multiplier support	Yes
Form Factor	1U Desktop, MicroATX Embedded
Disk Support	Yes
Tape Support	Yes

Compatible Cables & Accessories Available - See Page 26.

Use Case

Adding next generation, low cost storage technology to a SAN



With Fibre Channel drives being phased out for SAS, the FibreBridge™ 6500 will allow you to connect newer, faster and higher capacity SAS or SATA drive technology to your existing 2, 4 or 8Gb/s Fibre Channel SAN. Since SAS/SATA technology does not natively connect to Fibre Channel SANs, a bridge must be used to allow coexistence on the SAN. The FibreBridge 6500 also provides extensive manageability and troubleshooting features not found in direct attached technology.

8Gb Fibre Channel Switches

FibreConnect™ Switches

FibreConnect™ Fibre Channel switches combine high-performance connectivity with exclusive latency management features. This combination ensures smooth and reliable data transfer on a SAN, allowing organizations to grow their storage networks in a non-disruptive manner. FibreConnect switches streamline workflow processes and are ideal for video streaming and backup applications.

- Complete SAN connectivity solution when combined with ATTO Celerity Fibre Channel HBAs
- Industry's only comprehensive solution for Mac® OS
- Guaranteed uninterrupted bandwidth for time-sensitive applications such as video streaming and tape backups - low latency features ensure smooth and reliable data transfer and higher performance
- Allows organizations to start with a flexible, affordable, entry-level SAN and expand at their own pace as required - additional ports can be activated in increments of 8 for a total of up to 24 ports
- Pay-as-you-grow switch for small to mid-range SANs expansion beyond 24 ports can be achieved by establishing ISLs (Inter Switch Links) through one or more ports
- Low power consumption reduces overall electric and cooling costs
- Easy to setup, manage and maintain without the need for an IT specialist

Supports:

- 2, 4, and 8Gb/s devices
- Ports-On-Demand scalability (8 to 16 to 24)
- Certified with industry leading platforms and applications

Includes:

- Pluggable optical LC SFP+
- Web Tools interface simplifies configuration and management
- Mounting hardware

Complementary Products:

- ATTO Celerity Fibre Channel HBAs
- ATTO premium cables

FibreConnect™ 8324

"We found a perfect solution that brings together the IT department and the multimedia department and allows us to exchange information, collaborate, reduces cost and complexity."

-John Call, System Administrator, BYU-Hawaii

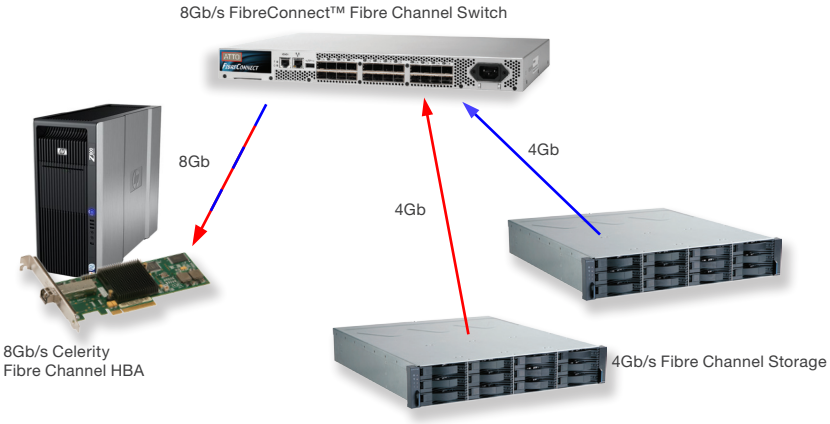
ATTO FibreConnect™ Switches			
Product Features	8324	8316	8308
Part Number	FCSW-8324-D00	FCSW-8316-D00	FCSW-8308-D00
Fibre Channel Ports	24	16	8
Max. Data Rate	8Gb/s	8Gb/s	8Gb/s
Aggregate Bandwidth	192Gb/s	128Gb/s	64Gb/s
Auto-Sensing	2, 4, 8Gb/s	2, 4, 8Gb/s	2, 4, 8Gb/s
Form Factor	1U	1U	1U
Low Power <2.5W/Port	Yes	Yes	Yes
Web Tools	Yes	Yes	Yes
Warranty	1 Year*	1 Year*	1 Year*

*Extended warranty available

Compatible Cables & Accessories Available - See Page 26.

Use Case

Improving performance while utilizing existing 4Gb/s Storage



When combining an ATTO 8Gb/s Celerity Fibre Channel host bus adapter, an ATTO 8Gb/s FibreConnect Fibre Channel switch and 4Gb/s Fibre Channel storage, you can obtain the full performance of an 8Gb/s HBA (800MB/s) when aggregating the performance over two 4Gb/s storage devices. ATTO offers media and entertainment and general IT users a completely scalable end-to-end SAN connectivity solution to deliver high-performance and reliable storage solutions.

Software

Express Power Center and XtendSAN

Express Power Center Software

Computer applications such as digital video/audio creation and editing require the fastest data transfer speeds possible. ATTO's acceleration software, when used with ATTO HBAs, provides the highest performance from any attached SAS, SATA and Fibre Channel storage. And, the easy-to-use wizard-style interface provides step-by-step instruction to configure and optimize storage.

- Powerful acceleration software that works tightly with the OS to accelerate storage transfer and reduce latency
- Software RAID level 0 support for all ATTO HBAs
- User selectable interleave sizes
- Support for media with up to a 4KB sector size

For Windows®

- Exclusive Smooth Data Optimization (SDO™) for increased productivity
- Seamless portability of stripe groups between systems
- Support for Windows 7, Vista, XP, Server 2008, 2003, 2000

For Mac OS® X

- Benchmark the drive's peak, average and minimum read transfer rates
- Initialize disks and delete volumes
- Journaling support
- Create multiple volumes of various sizes simultaneously with support of up to 8 Exabytes
- Support for Mac OS X

Part Number:

- EPCI-PWRC-000

Xtend SAN Software

Xtend SAN iSCSI Initiator for Mac® software connects workstations with built-in Ethernet to multiple Direct Attached Storage servers across long distances. It provides users with network access to block storage without the cost and complexity of a Fibre Channel SAN. iSCSI gives small businesses and workgroups the advantages of a SAN, on a manageable budget.

- Easy setup and management features make implementing an iSCSI SAN a snap.
- High performance for demanding applications
- EMC® E-Lab Certified
- Compatible with 32/64 bit Mac OS® X
- Volume and Enterprise Licensing Available

Supports:

- Up to 1024 targets
- Header/Data digest with class 1 error recovery
- SNS client login redirect function
- CHAP iSCSI security
- iSNS client
- Certified with industry leading platforms and applications

Includes:

- Easy-to-use GUI simplifies set-up, configuration and management
- Advanced CLI for addressing iSCSI targets
- Voluming Licensing: 1, 5, 10, 25, and 100

Complementary Products:

- ATTO FastFrame NICs and CNAs

Part Number:

- INIT-MAC0-001

"We found that Xtend SAN was a hassle-free initiator that just worked and was easy to implement and integrate."

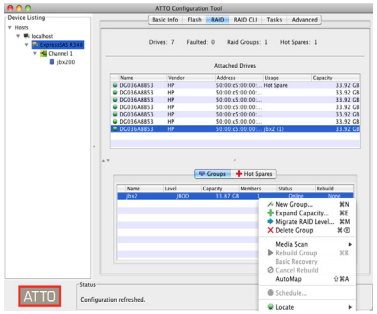
-Ed Casaccia, Director of Product Marketing for Servers and Storage, Grass Valley

Management Tools

Config Tool™ and ExpressNAV™

Config Tool™

ATTO Config Tool helps customize the settings of your ATTO host bus adapter to maximize the performance of your storage connection. Standard on all ATTO HBAs, ATTO Configuration Tool is available for Mac®, Windows®, and Linux operating systems. While the factory settings on your host adapter provide excellent performance for a wide range of applications, some specialized applications may benefit from adjustment of the adapter settings to tune the adapter for a specific performance range.



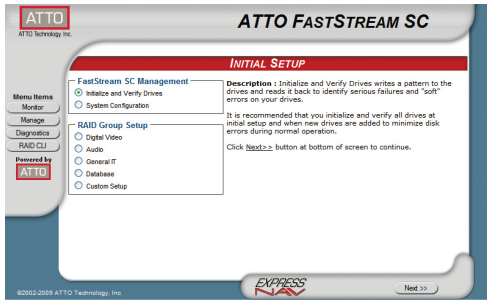
- Custom utility settings to optimize performance
- Available on Mac, Windows and Linux OS
- Advanced troubleshooting and monitoring

ExpressNAV™

The ExpressNAV remote management interface helps get any FastStream controller up and running in as little as five minutes without specialized IT personnel.

ExpressNAV helps users spend less time managing storage and more time accessing data. Storage environments can haphazardly build up with disparate storage groups making it necessary to tend to several management interfaces. FastStream Controllers equipped with ExpressNAV help manage complete storage infrastructures via a single product.

- One click setup wizards
- Custom setup option for advanced performance tuning
- Email notification for monitoring


ATTO
ATTO FastStream SC
Initial Setup
FastStream SC Management
Initialize and Verify Drives
System Configuration
RAID Group Setup
Digital Video
Audio
General IT
Database
Custom Setup
Menu Items
Monitor
Manage
Diagnostics
RAID CLI
Powered by
ATTO
Description : Initialize and Verify Drives writes a pattern to the drives and reads it back to identify serious failures and "soft" errors on your drives.
It is recommended that you initialize and verify all drives at initial setup and when new drives are added to minimize disk errors during normal operation.
Click Next>> button at bottom of screen to continue.
EXPRESS NAV
Next >>

ATTO Cables and Accessories

Premium Connectivity Components

For over 24 years, ATTO has conducted in-depth examinations of noise, interference, cable lengths and their effects on connectivity solutions. ATTO premium cables are specifically designed to optimize connections between high-performance storage and workstations. ATTO cables are recommended for use with the ATTO line of HBAs, RAID Controllers and Bridges to obtain high levels of performance and signal quality.

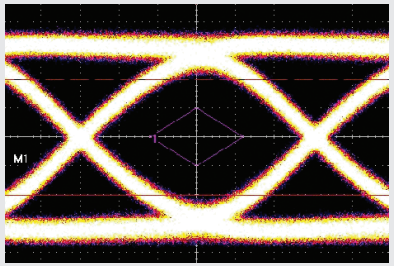
By utilizing high-quality shielding, equipment-specific cable lengths and extensive pull testing to verify connection integrity, these premium cables are the best connectivity solution for every ATTO product.

SAS Cable, External SFF-8088 to SFF-8088

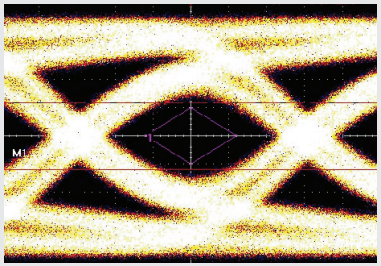
Signal Integrity

ATTO Technology has been manufacturing storage connectivity products for over 24 years, becoming experts in the art of developing clean board design for smooth data streaming. ATTO engineers pay close attention to signal integrity with a focus on minimizing jitter, crosstalk, reflections, and power supply noise, resulting in the cleanest signals in the industry.

This is one of the reasons why ATTO is the most trusted storage connectivity solution provider in the Media and Entertainment industry for high speed streaming applications. Signal quality is the best indicator of performance and could be the difference between completing projects on time or missing deadlines. ATTO products can be relied upon for uninterrupted, reliable, and high-performance data transfers.



ATTO Cable Signal:
Clean eye pattern = tighter signal strength
Smooth and reliable data transfers



Substandard Cable Signal:
Distorted eye pattern = weaker signal integrity
Possible data loss, errors

"When anyone has connectivity issues we just tell them to put in an ATTO card to solve their challenge."

-David Fontaine, General Manager, Cap Ciné

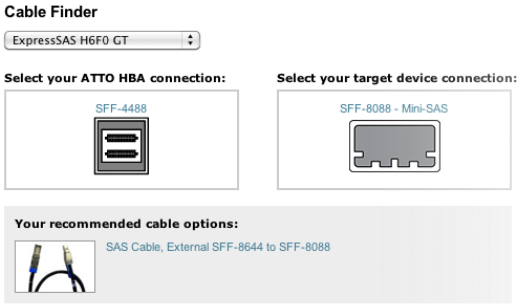
SAS/ SATA	External SFF-8088 to SFF-8088	External SFF-8088 to SFF-8470	External SFF-8644 to SFF-8470	External SFF-8436 to SFF-8088	Internal SFF-8087 to (4) x1 SATA	Internal SFF-8087 to SFF-8087	Internal I2C 3-Pos to 3-Pos
Length	1 & 3 meters[1]	1 & 3 meters[1]	1 meter	1 & 3 meters[1]	.5 meters	.5 meters	.5 meters
For use with	ESAS-H6F0 ESAS-R680 ESAS-H680 ESAS-R644 ESAS-H644 ESAS-R380 ESAS-H380 ESAS-R348 FSSC-8550 FSSC-8250 FSSC-5550	ESAS-H6F0 ESAS-R680 ESAS-H680 ESAS-R644 ESAS-H644 ESAS-R380 ESAS-H380 ESAS-R348 FSSC-8550 FSSC-8250 FSSC-5550	ESAS-H6F0 GT	FCBR-6500 ESAS-H6F0 ESAS-H680 ESAS-H644 ESAS-H380 ESAS-R680 ESAS-R644 ESAS-R380 ESAS-R348 FSSC-8550 FSSC-8250 FSSC-5550	ESAS-H60F ESAS-H608 ESAS-H644 ESAS-H30F ESAS-R60F ESAS-R608 ESAS-R644 ESAS-R30F ESAS-R348 FSSC-8550* FSSC-8250* FSSC-5550* *Embedded Models Only	ESAS-H60F ESAS-H608 ESAS-H644 ESAS-H30F ESAS-R60F ESAS-R608 ESAS-R644 ESAS-R30F ESAS-R348 FSSC-8550* FSSC-8250* FSSC-5550* *Embedded Models Only	ESAS-H6F0 ESAS-H608 ESAS-R60F ESAS-R608
Part #	CBL-8088-EX1 CBL-8088-EX3	CBL-8470-EX1 CBL-8470-EX3	CBL-4488-E1X	CBL-QSFP-EP1 CBL-QSFP-EP3	CBL-SATA-INT	CBL-8087-INT	CBL-SI2C-KI2

[1] SATA limited to 1 meter, use with SAS targets only

Fibre Channel	LC to LC 50 µm OM 2	LC to LC 50 µm OM 2	8Gb/s SFP+ LC SW Optical
Length	1 & 3 meters1	1 & 3 meters1	1 & 3 meters1
For use with	CTFC-84EN CTFC-44ES CTFC-82EN CTFC-42ES CTFC-81EN CTFC-41XS CTFC-41ES FSSC-8550 FSSC-5550 FF-CS14 FF-NS14 FF-CS12 FF-NS12 FF-CS11 FF-NS11 FCBR-2400 FC 8308/8316/8324	CTFC-84EN CTFC-44ES CTFC-82EN CTFC-42ES CTFC-81EN CTFC-41XS CTFC-41ES FSSC-8550 FSSC-5550 FF-CS14 FF-NS14 FF-CS12 FF-NS12 FF-CS11 FF-NS11 FCBR-2400 FC 8308/8316/8324	CTFC-84EN CTFC-82EN CTFC-81EN FSSC-8550 FCBR-6500
Part Number	CBL-LCLC-R03	CBL-LCLC-R10	SFP8-0000-R00

ATTO Cable Configurator

Visit the ATTO website to best determine the cable for your configuration.



Resources

How to Buy, Interoperability, Media Center, Support, Partner Programs

How to Buy

Channel Sales +1.716.691.1999 extension 240
International Sales +1.716.691.1999 extension 239
OEM Sales +1.716.691.1999 extension 241
VAR + System Integrators - www.attotech.com/howtobuy
Direct Sales - www.attostore.com

Interoperability

ATTO tests our products with third-party vendor products to ensure compatibility. Visit www.attotech.com/support/interoperability for compatibility listings.

Media Center

ATTO's Media Center contains our latest press releases, videos, success stories, case studies, images, and more. Visit www.attotech.com/corporate

Support

ATTO provides customers the finest in technical support for the lifetime of all product lines. It is our priority to understand customer workflows and their specific needs to provide the best technical assistance in the industry. Contact ATTO Technical Support at +716.691.1999 extension 242 or visit our website to submit inquires www.attotech.com/support/techsuptmail.html

Partner Programs

The ATTO Technology Access™ program is a results-oriented program that offers technical partners opportunities to engage in high-performance markets with fully tested connectivity solutions. It builds and strengthens partner relationships through interoperability testing and co-marketing efforts. Access members benefit from technology and marketing support and a single point of contact at ATTO.

The ATTO Technology Accelerate™ Partner Program rewards our dedicated solution providers with outstanding support in all key collaborative areas such as sales, marketing, training and more. It provides a higher level of engagement and tools to help you reach your business objectives.

"ATTO has long been a leader in high-performance markets and they offer our resellers and integrators a chance to expand their footprint with a solid, market-proven solution."

-Tiffany Severance, Director of Client Systems at Tech Data

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